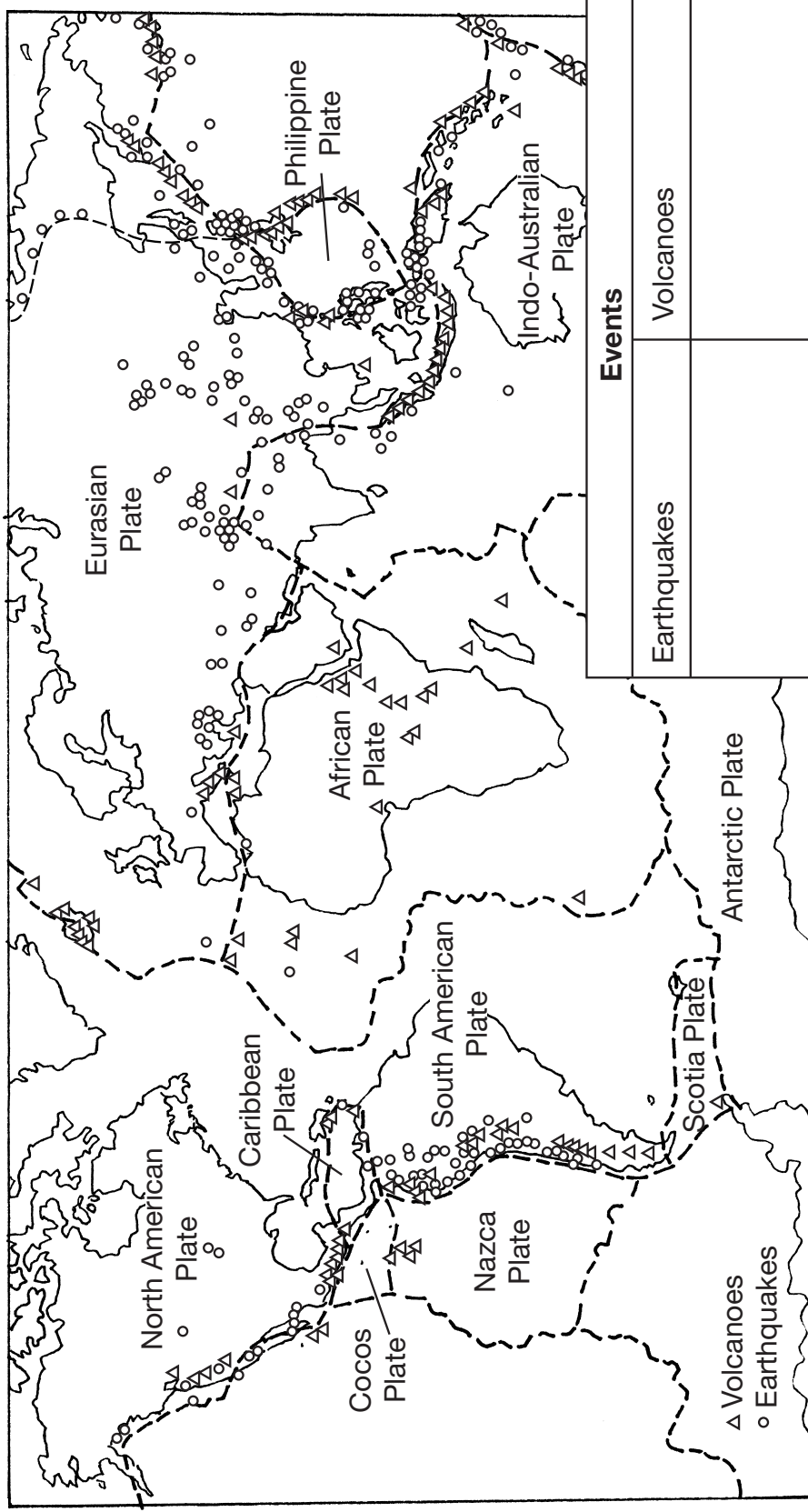


Name _____ Date _____

Use with Unit C, Chapter 1.

Earthquakes and Volcanoes



Events	
Earthquakes	Volcanoes

Notes for Home Your child has learned that volcanoes and earthquakes occur as underground plates shift.
Home Activity: Share stories about an earthquake or volcano.



Using Interactive Transparency 9

Big Idea

The earth is affected by the layers of atmosphere surrounding the planet, the layers of water on the earth's surface and the layers under the earth's surface.

Glossary

plate tectonics plates

ESL/ELD

Hands-On Activity

Each student could receive a paper plate. Have them divide the plate into ten random shaped pieces, like the pieces of a puzzle. Have them cut the pieces out and keep them fit together as a whole. Then ask them to move one piece toward the other pieces.

Discuss what happened to the whole. Even though their pieces are different shapes, all the pieces of the plate shift. Some will overlap and others will fall away from the others.

Ask students to image that under the earth's surface, there are similar plate pieces and sometimes these plate pieces shift. Discuss what could happen if there is a shift in one of the plates under the earth's surface.

Cooperative Learning

Groups of students could be asked to collect newspaper accounts of earthquakes or volcanoes that have occurred within the school year. Using an outline map of the world, students could locate these occurrences on their maps.

Some groups could specialize in earthquakes, others in volcanoes.

Teach and Apply

1 Make a copy of the transparency for each student. Let students use their own copy as the lesson develops.

2 Have students identify each of the ten plates shown on the map.

3 Have students color the volcano symbols red on their map.

4 Have students color the earthquake symbols blue on their map.

5 Collect articles about volcanoes and earthquakes and display them in the classroom.

6 Have students write the locations of three volcanoes and three earthquakes in the space provided on the transparency

7 Discuss where most of the earthquakes and volcanoes occur.

8 Talk about the term "Ring of Fire" and ask students to write a poem or short paragraph using that phrase.

9 Display all the completed maps the students have worked on.

Earthquakes and Volcanoes

Interactive
Transparency

9

Use with Unit C, Chapter 1.

1 Give a copy of the transparency to each student.

2 Students identify the ten plates shown on the map.

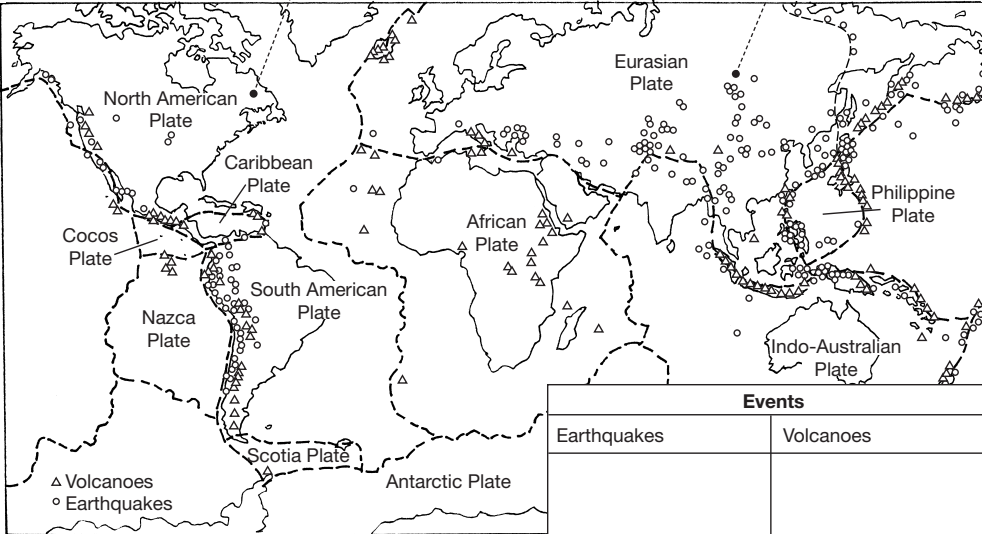
3 & Students color-code the location of earthquakes and volcanoes on their maps.

Name _____ Date _____

Interactive Transparency **9**

Use with Unit C, Chapter 1.

Earthquakes and Volcanoes



Events	
Earthquakes	Volcanoes

Notes for Home Your child has learned that volcanoes and earthquakes occur as underground plates shift.

Home Activity: Share stories about an earthquake or volcano.

© Scott Foresman 5

Relate any news articles about earthquakes and volcanoes to the locations of sites using the transparency map.

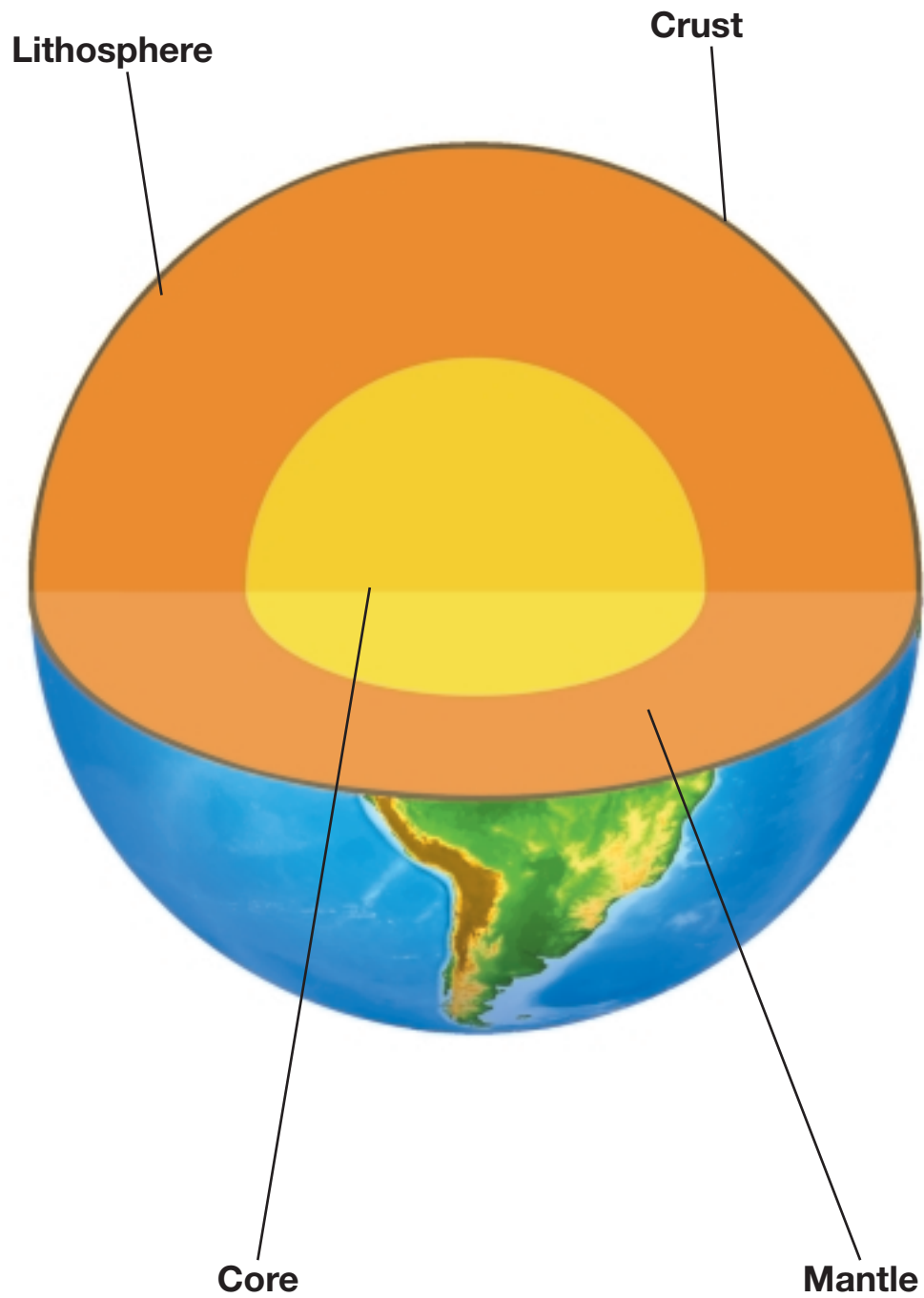
Students can add locations for earthquakes and volcanoes to their own maps and the transparency.

7 Point out that earthquakes and volcanoes occur where plates collide.

8 Written activities using "Ring of Fire" will vary.

Display the completed maps of the students.

Crust, Mantle, Core



Fossil Layers

